ANSWERS FOR "TEST YOUR KNOWLEDGE" QUIZZES

MODULE ONE - TEST YOUR KNOWLEDGE QUIZ - ANSWERS

| 1. | Which of these groups is usually designated as one of the most sensitive sub-populations for exposures to toxic substances? | | |
|----|--|---|--|
| | a. Adult womenb. Infants | c. Adult men d. Adolescents | |
| 2. | You have worked at a chemical facility for 10 years. The facility does not require protective equipment, and you have developed a number of serious health effects in the last 7 years. You are possibly experiencing what type of exposure? | | |
| | a. Chronic | b. Acute | |
| 3. | You are worried about contamination of vegetables grown in contaminated soils. What type of toxicologist would you contact? | | |
| | a. Descriptivec. Regulatory | b. Environmental d. Food | |
| 4. | You are concerned about the risks associated with growing vegetables in soil with naturally high lead and arsenic concentrations. You are speaking of what type of substance? | | |
| | a. Toxin | b. Toxicant | |
| 5. | The larger the amount of exposure and the greater the dose, the greater the observed response, or effect. | | |
| | a. True | b. False | |
| 6. | What type of toxicologist takes samples of blood, urine or hair for testing? | | |
| | a. Descriptive c. Mechanistic | b. Analytical d. Forensic | |
| 7. | Toxic agents can be cl source. | assified in terms of their physical state, their effects, and their | |
| | a. True | b. False | |
| 8. | Which agency deals w to toxic chemicals? | with the health effects that may occur from environmental exposure | |

| a. The Environmental Protect b. The Centers for Disease Co c. The Agency for Toxic Sul d. The Nuclear Regulatory Co | ontrol and Prevention bstances and Disease Registry |
|--|---|
| Which database has informat regulatory status and human | ion on emergency handling procedures, environmental data, exposure? |
| a. TOXNETb. HazDatc. IRISd. MEDTREC | |
| HazDat contains information sites, and on emergency even | on hazardous substances found at NPL and non-NPL waste its. |
| a. True | b. False |
| The no observed adverse effective (NEL). | ect level (NOAEL) is also known as the no effect level |
| a. True | b. False |
| The term <i>toxicant</i> is used when | en talking about toxic substances that are produced by or are |

b. False

a by-product of human-made activities.

9.

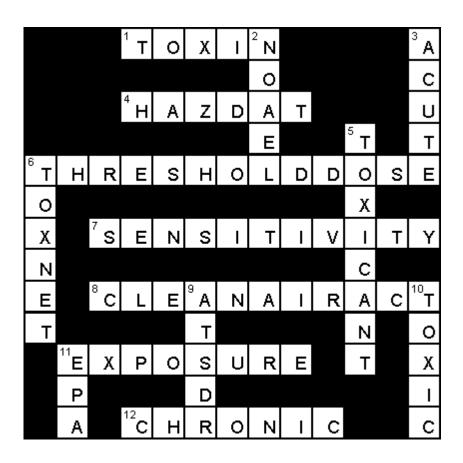
10.

11.

12.

a. True

Module One - Toxicology Puzzle Solution



Module II - Routes of Exposure Word Scramble and Matching Solution

| Word Scra | mble | |
|-----------|-----------------------------|--|
| (1) | skin | |
| (2) | intestine | |
| (3) | nose | |
| (4) | eye | |
| (5) | mouth | |
| (6) | ambient | |
| (7) | macrophages | |
| (8) | environment _ | |
| (9) | biological | |
| (10 | gaseous | |
| (11 |) soil | |
| (12 | air | |
| (13 | (a) water | |
| (14 | food | |
| (15 | | |
| (16 | inhalation | |
| (17 | /) route | |
| (18 | s) media | |
| (19 | , | |
| (20 |) food chain | |
| | | QUICK MATCHING |
| Ma | atch the routes of exposure | with the correct way for the hazard to enter the body. |
| | sorption | A Skin |
| B. Ing | - | B Mouth |
| C. Inh | | A Eye |
| | | B Intestine |
| | | <u>C</u> Nose |

Module III - Risk Assessment Test Your Knowledge Quiz Answers

Epidemiology is the study of causative factors associated with the occurrence and number

b. False

Which of the following is **NOT** a step in the Risk Assessment Process?

Hazard evaluation or dose-response assessment

of cases of disease and illness in a specific population.

Hazard identification

Risk characterization

Exposure dose

a. True

1.

b.

b.

c.

d.

| | a. True | b. False | |
|----|---|---|--|
| l. | assessment? | ould be conducted during the hazard identification step of the risk | |
| | b. Des | cribing the physical/chemical properties of the toxic substances atifying the sources of toxicity information | |
| | | of the above | |
| 5. | Prospective epidemiological studies gather information from the past. | | |
| | a. True | b. False | |
| | | | |
| | | | |
| | | | |
| | | | |

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- 6. The exposure assessment step in the risk assessment process identifies all **EXCEPT** which of the following?
 - b. Frequency of exposure
 - b. Type of chemical exposure
 - c. Length of time of exposure
 - d. Route of exposure
 - e. Calculation of the amount of exposure
- 7. Susceptible populations that may be more at risk for illness than others includes the following **EXCEPT**:
 - a. Young children
 - b. Older adults
 - c. Teenagers
 - d. Women of Childbearing Age

Module IV - Survey of Toxic Substances Test Your Knowledge Quiz Answers

1. What are some effects from arsenic exposure?

Death, fever, anorexia, and liver enlargement are some of the effects listed in the module.

2. What form of mercury is the most toxic?

Methyl mercury is the most toxic form of mercury.

3. List some solvents you may use in the home.

Participant answers

4. List the different classes of pesticides.

Insecticides, Herbicides, Fungicides, Fumigants, Rodenticides

5. How does carbon monoxide affect the body?

Decreases amount of oxygen available to the body. Also causes headache, shortness of breath, nausea, irritability, increased respiration, chest pain, impaired judgement, and fainting.

6. What are some sources of ozone?

Lightning, high voltage electrical equipment, and air- and water-purifying devices are some sources of ozone.

7. List the different outdoor air pollutants discussed in the Module.

Carbon monoxide, Sulfur oxides, Ozone, Nitrogen oxides, Particulates